

In the Specification:

Please add the following new paragraph [00021] between paragraphs [0002] and [0003]. It is asserted that no new matter is introduced in new paragraph [00021].

Summary

[00021] A method to reduce the power consumed by a data storage device in accordance with the present invention comprises, in an embodiment, providing a data storage device including a spindle motor having at least two terminals, a spindle connected with the spindle motor, a disk connected with the spindle, and an actuator assembly having a head in communication with the disk. A voltage potential is applied across two terminals of the spindle motor to cause the spindle to rotate at a rotation rate approximating a target speed. The head is removed from communication with the disk and the voltage potential is removed from across the two terminals of the spindle motor. The voltage potential is repeatedly applied and removed across two terminals of the spindle motor such that an approximately constant current is provided to the spindle motor. When a command is received to perform an operation on the disk, the voltage potential is maintained across two terminals of the spindle motor and the head is placed in communication with the disk.